



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mannava, et al.)

Serial No: 08/719,341)

Filed: September 25, 1996)

For: LASER SHOCK PEENED GAS TURBINE)
ENGINE COMPRESSOR AIRFOIL EDGES)

Group Art Unit: 3745

C. Verdier
Examiner: C. Verdier

I hereby certify that this correspondence is being
deposited with the United States Postal Service with sufficient
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Hon. Assistant Commissioner for Patents
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on Aug. 6, 1998 Marie M. Fehl
Date Signature

MARIE M. FEHL
Typed or printed name
of person signing certificate

SIR:

AMENDMENT

In response to the Office Action mailed June 8, 1998,
please make the below-identified amendments and consider the
following remarks:

IN THE CLAIMS:

Please amend the following Claims as indicated. GROUP 3200

17. (TWICE AMENDED) A compressor blade as claimed in claim
16 further comprising:

a third laser shock peened surface located opposite said
first laser shock peened surface such that said first and
third laser shock peened surfaces are located along pressure
and suction sides of said leading edge respectively,

a third region having deep compressive residual stresses
imparted by laser shock peening (LSP) extending into said
airfoil from said third laser shock peened surface,

a fourth laser shock peened surface located opposite
said second laser shock peened surface such that said second
and fourth laser shock peened surfaces are located along
pressure and suction sides of said trailing edge respectively,
and

said third and fourth regions having deep compressive
residual stresses imparted by laser shock peening (LSP)
extending into said airfoil from said third and fourth laser
shock peened surfaces respectively.

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